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## PATENT COOPERATION TREATY UNITED STATES RECEIVING OFFICE

Applicant: *๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛* Arjun Selvakumar et al. **US Application No.:** International Application No: PCT/US00/40039

International Filing Date: 16 March 2000

Earliest Priority Date: 17 March 1999

Title: Sensor Design and Process

Attorney Docket: IO-1012US

## PRELIMINARY AMENDMENT

With the transmission of the filing of the referenced application under 35 USC 3.71, Applicants submit the following Preliminary Amendment.

In the Claims

Please delete the originally filed claims 1-12.

Please add the following new claims and proceed with the national examination procedures under 35 USC 3.71:

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An apparatus for detecting an environmental condition, comprising:

a housing;

a measurement mass coupled the housing, the measurement mass being responsive to the environmental condition;

at least one cap wafer coupled to the housing;

a plurality of bumpers geometrically disposed on the cap wafer for providing the sensor overshock

protection; and